

DETAILED ACTION

Response to Arguments

1. Applicants' amendments and arguments, filed on 03/11/2008, with respect to Claims 9 and 12 have been fully considered. The 35U.S.C. 103(a) rejections have been overcome by rewritten those objected claims – dependent claims in independent form including all of the limitations of the base claim and any intervening claims.

Allowable Subject Matter

2. Claims 1-3, 5-9, 12 and 14-23 are allowed.

3. The following is an examiner's statement of reasons for allowance.

- The prior art fails to teach an apparatus of Claims 1, 9 and 18 that specifically comprises the following:

- The instant application is deemed to be directed to a non-obvious improvement over the admitted prior art of the instant application and the invention patented in Pat. No. US 5,629,929 and US 6,904,106. The improvement comprises that splitting two bits from a spreading code alternately into I and Q data; converting said I and Q data; inserting zeros alternately into said I and Q data; inserting an initial condition for said I and Q data; and calculating transformed codes as a function of said I and Q data.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted M. Wang whose telephone number is (571) 272-3053. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866) 217-9197 (toll-free).

/Ted M Wang/
Primary Examiner, Art Unit 2611